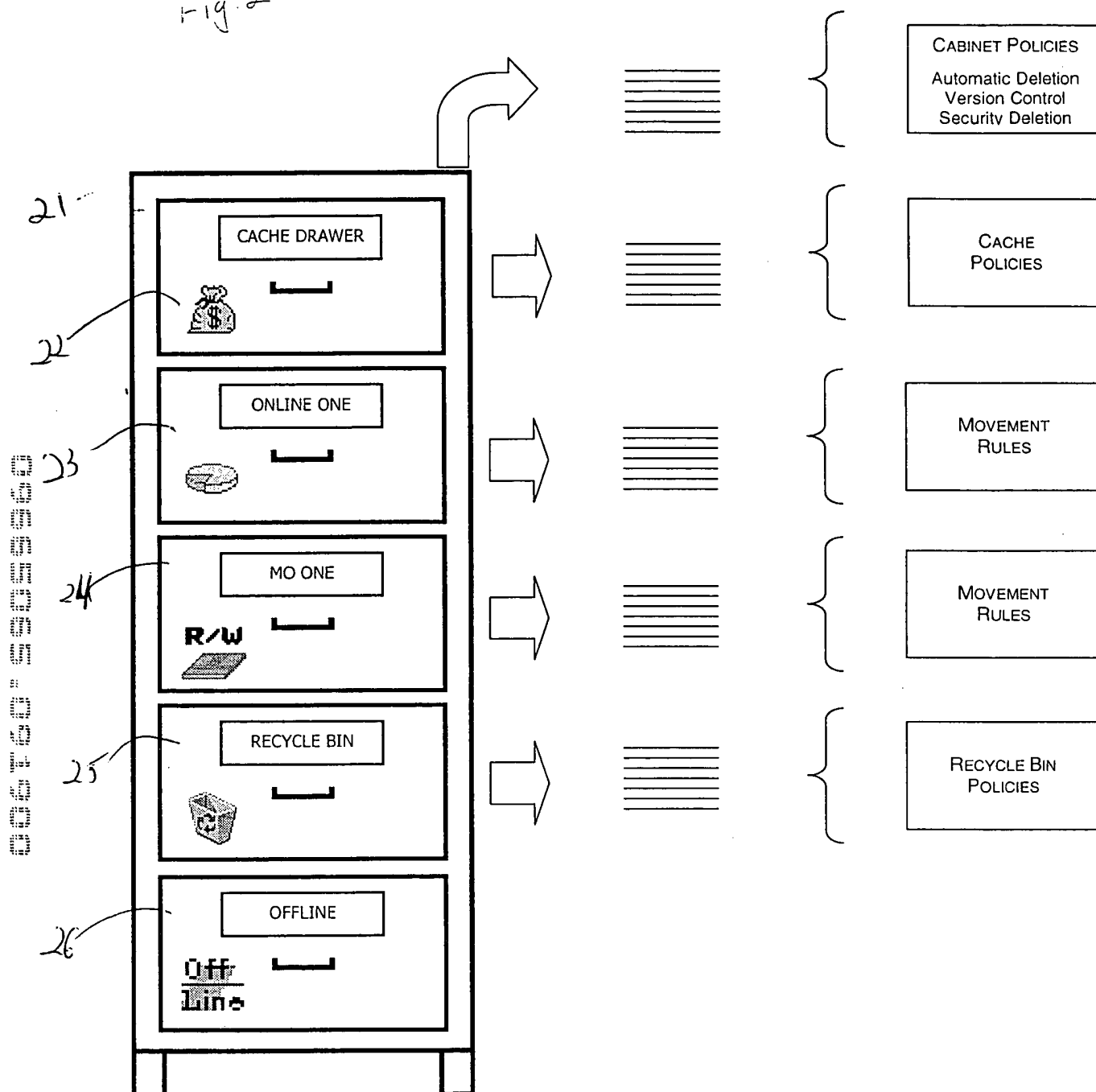


VIRTUAL CABINET SCHEME

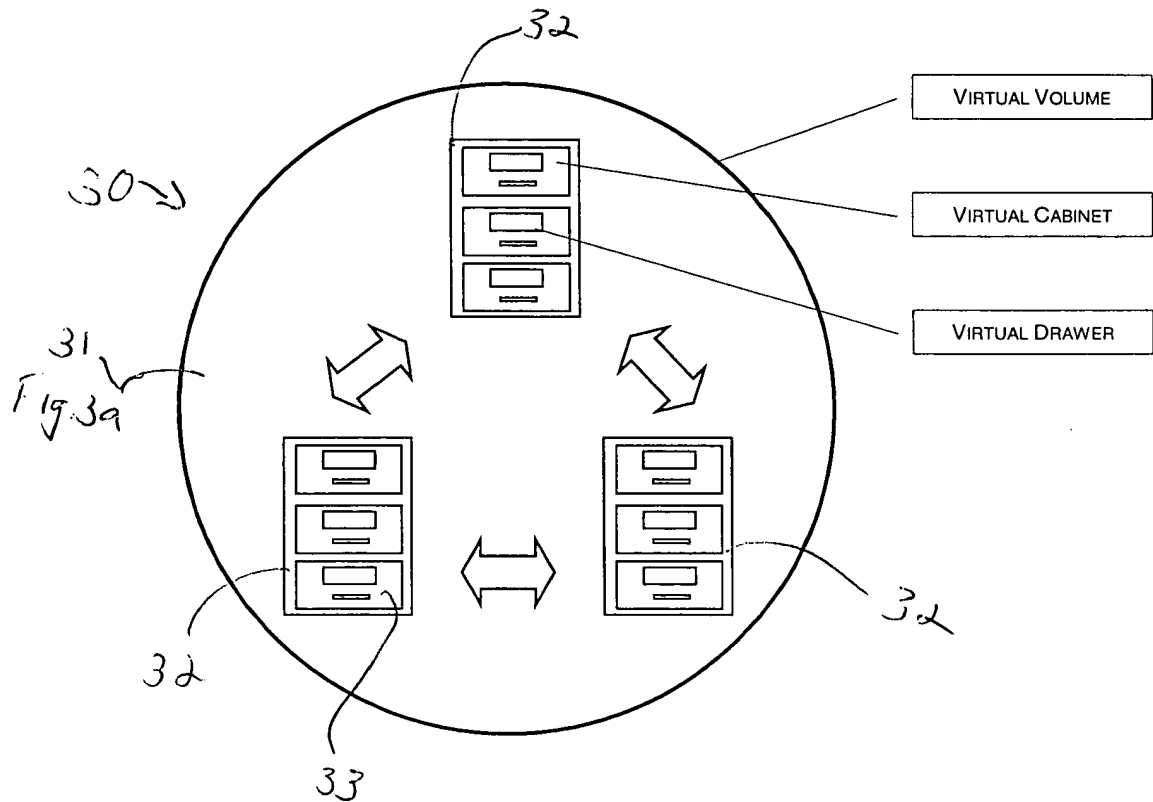
Fig. 2



FILE LIFE CYCLE MANAGEMENT

Goal: To control a file from its inception, throughout all the stages of its life, to the end of its useful existence, safely ensuring information availability and simultaneously providing a cost effective storage place, according to predefined administration policies.

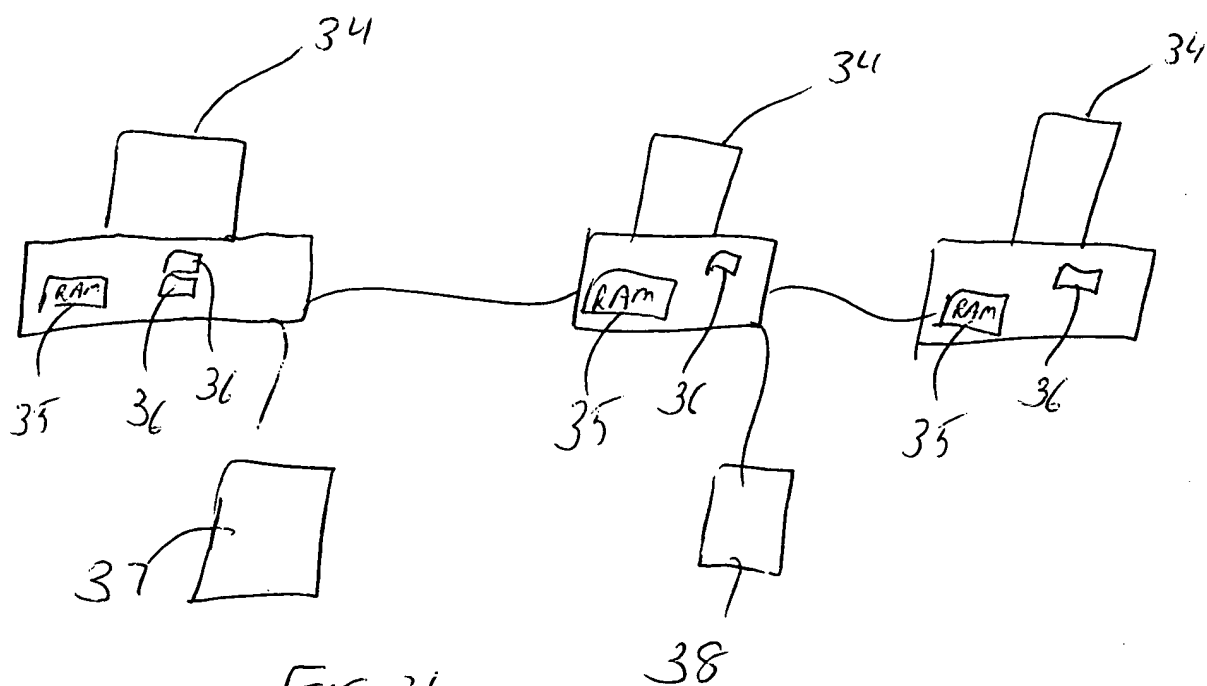
The File Life Cycle will be controlled by Virtual Cabinets. A Virtual Cabinet will define the whole set of policies for governing files inside a disk subdirectory. The cabinets will store files in Virtual Drawers. All these elements exist in a virtual storage space: a Virtual Volume.



Files will be stored inside of Virtual Drawers. These drawers can expand and shrink dynamically and will be constituted by a homogeneous media type. Besides storage, Virtual Drawers can be defined for extra purposes like caching, redundancy control, file recycling and offline management.

Each Virtual Cabinet will contain the general policies to be applied for the files under its control; in turn, each Virtual Drawer in a cabinet will include the rules for administering files in its domain.

Furthermore, a Virtual Drawer can be shared by many Virtual Cabinets.



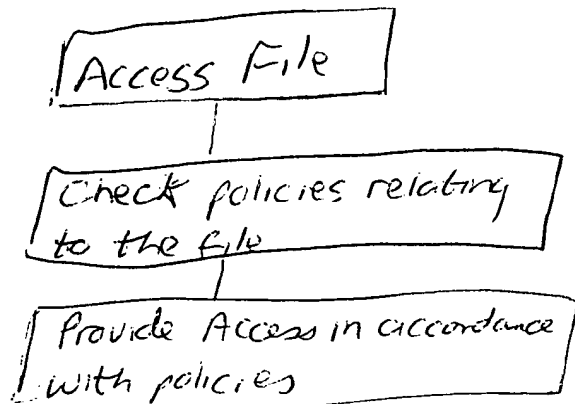
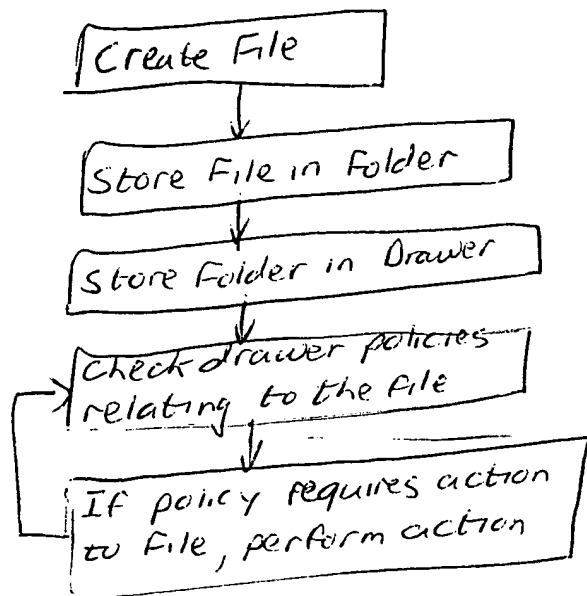


Fig. 4

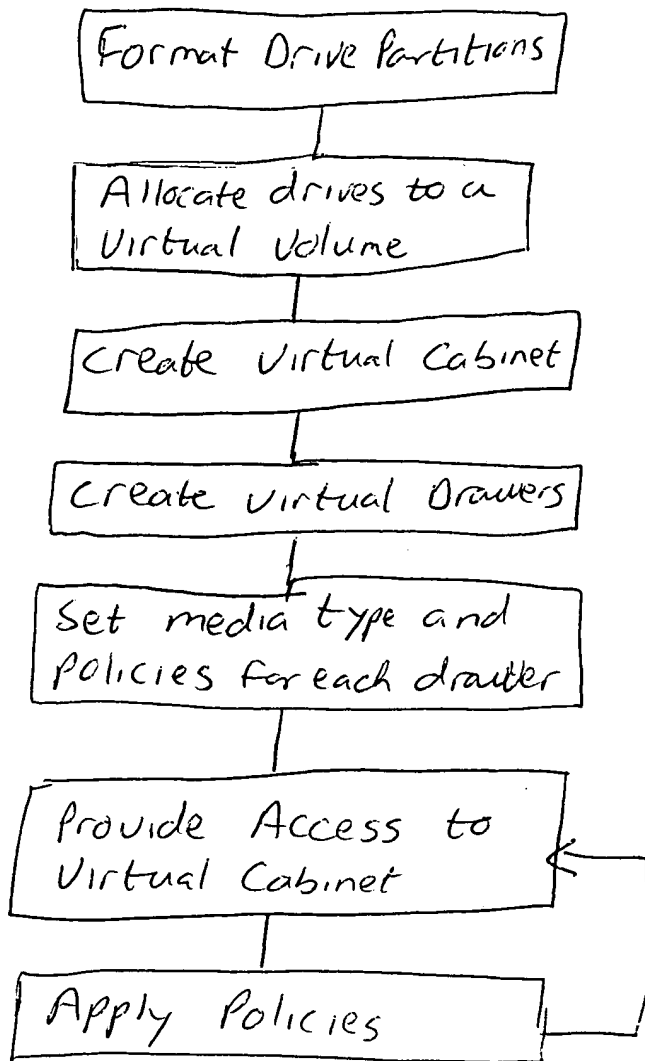


Fig. 5

recycle bin policies
mirroring of drawers
drawer security
File migration
journaling

Fig. 6

